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APPENDICES

Acknowledgements

List of Publications

About the author

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春日宴，绿酒一杯歌一遍。

再拜陈三愿：

一愿亲友常健，

二愿在下无忧，

三愿如同梁上燕，岁岁长相见。

Xiaoxiang Ren

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List of Publications

1. **X Ren**¹, R Gao¹, H C van der Mei, Y Ren, B W Peterson, H J Busscher, Eradicating infecting bacteria while maintaining tissue integration on photothermal nanoparticle-coated titanium surfaces, *ACS Applied materials and interfaces*, 2020, 31, 34610–34619
2. **X Ren**, H C van der Mei, Y Ren, H J Busscher, Keratinocytes protect soft-tissue integration of dental implant materials against bacterial challenges in a 3D-tissue infection model, *Acta Biomaterialia*, 2019, 96, 237-246
3. K Quan, Z Zhang, H Chen, **X Ren**, Y Ren, B W Peterson, H C van der Mei, H J Busscher, *Small*, 2019, 15, 1902313
4. **X Ren**¹, L Yuan¹, B W Peterson, Y Ren, T G van Kooten, S Bratskaya, H C van der Mei, H J Busscher, Co-culture models in 2D and 3D systems for evaluation of novel bacterial infection-control strategies - bridging the gap between *in vitro* and *in vivo*, **manuscript in preparation.**
5. **X Ren**, H C van der Mei, Y Ren, H J Busscher, B W Peterson, Antibacterial efficacy and cytotoxicity of nanotubular titanium surfaces loaded with silver nanoparticles and gentamicin, **manuscript in preparation.**

Before Groningen

6. **X Ren**, Z Yi, Z Sun, X Ma, G Chen, Z Chen, X Li, Natural polysaccharide-incorporated hydroxyapatite as size changeable and nuclear targeting nanocarriers for efficient cancer therapy, *Biomaterials Science*, 2020, 8, 5390-5401
7. **X Ren**, Z Sun, X Ma, Y Wang, X Li, Alginate-mediated mineralization for ultrafine hydroxyapatite hybrid nanoparticles, *Langmuir*. 2018, 34,6797-6805
8. Z Sun, Z Yi, X Cui, X Chen, W Su, **X Ren** and X Li, Tumor-targeted and nitric oxide-generated nanogels of keratin and hyaluronan for enhanced cancer therapy, *Nanoscale*, 2018, 10, 12109-12122
9. Y Wang¹, **X Ren**¹, X Ma, W Su, and X Li, Alginate-intervened hydrothermal synthesis of hydroxyapatite nanocrystals with nanopores, *Cryst, Growth Des.* 2015, 15, 1949-1956 (co-first author)

Patent

1. X Li, **X Ren**, Y Wang, W Su, The preparation method of alginate-hydroxyapatite hybrid nanoparticles, CN201510299338.6A

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Conference

1. Conference of the European Society for Biomaterials, Poster presentation, (Dresden, Germany, 2019).
2. Chinese Biomaterials Conference, Oral presentation, (Haikou, China, 2015).
3. Tissue Engineering and Regenerative Medicine international congress, Oral presentation, (Wuhan, China, 2015).

About the author

Xiaoxiang Ren was born on the 24 June 1991 in Xinyang, China. In June 2013, she obtained her Bachelor's degree in Chinese Medicine Pharmacology from Guangzhou University of Chinese Medicine. In June 2016, she earned her Master's degree in Pharmaceutics in Sichuan University under the supervision of Prof. dr. Xudong Li. In October 2016, she moved to The Netherlands to pursue her doctoral degree in the Department of Biomedical Engineering, University of Groningen, under the supervision of Prof. dr. ir. H. J. Busscher, Prof. dr. H.C. van der Mei, Prof. dr. Y. Ren, and Dr. B.W. Peterson. Her doctoral research focuses on developing co-culture models of tissue cells and bacteria and evaluating antimicrobial biomaterials surfaces in co-culture, of which the results are described in this thesis.

